

Programming Languages Chapter 13 Discovering Computers

1. What is a third generation programming language?

A third generation programming language (3GL) is a list of arithmetic symbols and English-like words to represent specific commands on a computer. The programmer may also use symbols found on the keyboard to operate a function on the system, such as * for multiplication and / for division.

2. Give three examples of third generation languages?

Three examples of third generation languages are COBOL, C, and Java.

3. What generation language is assembly?

Assembly language is a second generation of programming languages in which the programmer uses symbolic codes to write the instruction codes for the program.

4. What is object oriented programming?

Object oriented programming is the use instructions from the source program to compile all the data and checks it for errors. This process uses the compiler and the interpreter to operate the program.

5. Define three object oriented programming languages:

Three types of object oriented programming languages include C++, C#, and VisualBasic.

Page 696 Ethics and Issues: Read Is Beta Testing out of Hand?

What is Beta Testing? Would you participate in beta testing software on your pc? Why or why not? Are Software manufacturers being honest about their intentions in their beta testing? If not, in what way? Is it reasonable for software manufacturers to beta test their software for the general public? If so, for how long?

Beta Testers are people who try out a demo version or a specific program to see if the program meets the expectations of the programmers and to themselves. I would participate in beta testing software on my computer in order to help make a program better. Software manufacturers are typically honest about their intentions with the beta testing in hopes to improve the program in a way that it runs more efficiently. It is also reasonable for software manufacturers to beta test their software so they can locate any errors with the program before they release it to the general public.